Mapper Project Notes

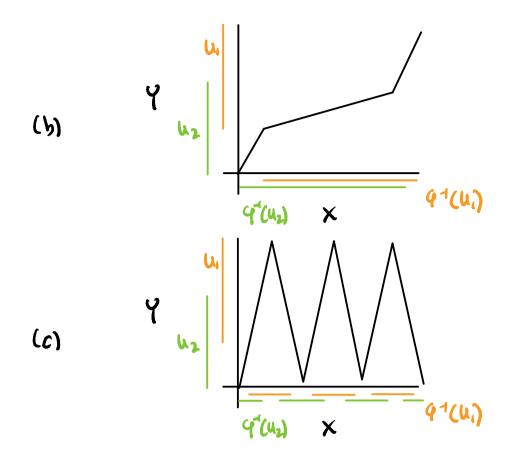
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O Let $f: M \rightarrow \mathbb{R}$. We will weak a covering of IR will pull-bules of regular upon everings on another uppy of IR under some function $\varphi: \mathbb{R} \rightarrow \mathbb{R}$.

Definitions. Let U be an open over of Y = IR, and let $Q: X \longrightarrow Y$ be continuous when X = IR. We call the open over

of X the pull-back of le under q.

Examples.



Facts. (a) M(+, q'(u)) = M(90+, U).

(b) If Q is a bijectim, a good open cover cl (one s.t each uell is not open interval), then Q'(U) is a good open cover of X.

Westing. - Use ful for optimization of covers?

- Green U, what is the dust of all

4-1(U) are all 9 in some dust?